



General Assembly

January Session, 2005

Raised Bill No. 6892

LCO No. 4284

04284_____PS_

Referred to Committee on Public Safety and Security

Introduced by:
(PS)

***AN ACT ENSURING THE SAFETY OF ELEVATORS, ESCALATORS
AND LIFTS IN CONNECTICUT BY ADOPTING VARIOUS PROVISIONS
OF THE NATIONAL MODEL ELEVATOR SAFETY ACT.***

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Subsection (a) of section 29-192 of the general statutes is
2 repealed and the following is substituted in lieu thereof (*Effective*
3 *October 1, 2005*):

4 (a) Each elevator or escalator used or intended for use in this state
5 shall be constructed, equipped, maintained and operated, with respect
6 to the supporting members, elevator car, shaftway, guides, cables,
7 doors and gates, safety stops and mechanisms, locking mechanisms,
8 electrical apparatus and wiring, mechanical apparatus, counterweights
9 and all other appurtenances, so as to sustain safely the load which it is
10 designed and intended to carry according to the provisions of this
11 chapter and the regulations of the commissioner adopted in
12 accordance with the provisions of chapter 54. In adopting such
13 regulations, the commissioner may adopt, by reference, the safety code
14 for elevators and escalators, or any amendment thereto, as set forth by
15 the American Society of Mechanical Engineers and standards

16 concerning safety requirements for personnel hoists and employee
17 elevators for construction and demolition operations, or any
18 amendment thereto, as set forth by the American National Standards
19 Institute.

20 Sec. 2. Section 29-195 of the general statutes is repealed and the
21 following is substituted in lieu thereof (*Effective October 1, 2005*):

22 (a) Each elevator inspector employed by the department to inspect
23 elevators and escalators shall be licensed as an elevator craftsman in
24 accordance with chapter 393.

25 (b) Each elevator or escalator shall be thoroughly inspected by [a
26 department] an elevator inspector who meets the qualifications
27 specified in subsection (a) of this section at least once each eighteen
28 months, except private residence elevators, as defined in the
29 regulations adopted pursuant to section 29-192, shall be inspected
30 upon the request of the owner. More frequent inspections of any
31 elevator or escalator shall be made if the condition thereof indicates
32 that additional inspections are necessary or desirable.

33 Sec. 3. Section 20-330 of the general statutes is repealed and the
34 following is substituted in lieu thereof (*Effective October 1, 2005*):

35 As used in this chapter:

36 (1) "Contractor" means any person regularly offering to the general
37 public services of such person or such person's employees in the field
38 of electrical work, plumbing and piping work, solar work, heating,
39 piping, cooling and sheet metal work, fire protection sprinkler systems
40 work, elevator installation, repair and maintenance work, irrigation
41 work, automotive glass work or flat glass work, as defined in this
42 section;

43 (2) "Electrical work" means the installation, erection, maintenance,
44 alteration or repair of any wire, cable, conduit, busway, raceway,
45 support, insulator, conductor, appliance, apparatus, fixture or

46 equipment that generates, transforms, transmits or uses electrical
47 energy for light, heat, power or other purposes, but does not include
48 low voltage wiring, not exceeding twenty-four volts, used within a
49 lawn sprinkler system;

50 (3) "Plumbing and piping work" means the installation, repair,
51 replacement, alteration or maintenance of gas, water and associated
52 fixtures, laboratory equipment, sanitary equipment, other than
53 subsurface sewage disposal systems, fire prevention apparatus, all
54 water systems for human usage, sewage treatment facilities and all
55 associated fittings within a building and includes lateral storm and
56 sanitary lines from buildings to the mains, process piping, swimming
57 pools and pumping equipment, and includes making connections to
58 back flow prevention devices, and includes low voltage wiring, not
59 exceeding twenty-four volts, used within a lawn sprinkler system, but
60 does not include (A) solar work, except for the repair of those portions
61 of a solar hot water heating system that include the basic domestic hot
62 water tank and the tie-in to the potable water system, (B) the
63 installation, repair, replacement, alteration or maintenance of fire
64 prevention apparatus within a structure, except for standpipes that are
65 not connected to sprinkler systems, and (C) medical gas and vacuum
66 systems work. For the purposes of this subdivision, "process piping"
67 means piping or tubing that conveys liquid or gas that is used directly
68 in the production of a product for human consumption;

69 (4) "Solar work" means the installation, repair, replacement,
70 alteration or maintenance of an active, passive or hybrid solar hot
71 water heating system;

72 (5) "Heating, piping and cooling work" means (A) the installation,
73 repair, replacement, maintenance or alteration of any apparatus for
74 piping, appliances, devices or accessories for heating systems,
75 including sheet metal work, and (B) the installation, repair,
76 replacement, maintenance or alteration of air conditioning and
77 refrigeration systems, boilers, including apparatus and piping for the

78 generation or conveyance of steam and associated pumping
79 equipment and process piping. Heating, piping and cooling work does
80 not include solar work or medical gas and vacuum systems work. For
81 the purposes of this subdivision, "process piping" means piping or
82 tubing that conveys liquid or gas that is used directly in the production
83 of a product for human consumption;

84 (6) "Apprentice" means any person registered with the Labor
85 Department for the purpose of learning a skilled trade;

86 (7) "Elevator inspection work" means the inspection of elevators,
87 dumb waiters, platform lifts, stairway chairlifts, escalators and moving
88 walks;

89 [(7)] (8) "Elevator installation, repair and maintenance work" means
90 the [installation, erection, maintenance and repair] erection,
91 construction, installation, alteration, service, testing, repair,
92 maintenance and demolition of all types of elevators, dumb waiters,
93 platform lifts, stairway chairlifts, escalators [,] and moving walks and
94 all mechanical equipment, fittings, associated piping and wiring from
95 a source of supply brought to the equipment room by an unlimited
96 electrical contractor for all types of machines used to hoist or convey
97 persons or materials, but does not include [temporary hoisting
98 machines used for hoisting materials in connection with any
99 construction job or project] (A) the removal or dismantling of
100 conveyances destroyed during the demolition of a building or
101 structure, or (B) the demolition of a hoistway or wellway to the basic
102 supporting structure where no access by the general public is
103 permitted;

104 [(8)] (9) "Elevator maintenance work" means the lubrication,
105 inspection and replacement of controls, hoistway and car parts;

106 [(9)] (10) "Fire protection sprinkler systems work" means the layout,
107 on-site fabrication, installation, alteration, maintenance or repair of any
108 automatic or manual sprinkler system designed for the protection of

109 the interior or exterior of a building or structure from fire, or any
110 piping or tubing and appurtenances and equipment pertaining to such
111 system including overhead and underground water mains, fire
112 hydrants and hydrant mains, standpipes and hose connections to
113 sprinkler systems, sprinkler tank heaters excluding electrical wiring,
114 air lines and thermal systems used in connection with sprinkler and
115 alarm systems connected thereto, foam extinguishing systems or
116 special hazard systems including water spray, foam, carbon dioxide or
117 dry chemical systems, halon and other liquid or gas fire suppression
118 systems, but does not include (A) any engineering design work
119 connected with the layout of fire protection sprinkler systems, or (B)
120 any work performed by employees of or contractors hired by a public
121 water system, as defined in subsection (a) of section 25-33d;

122 [(10)] (11) "State Fire Marshal" means the State Fire Marshal or any
123 member of the Division of State Police to whom the Commissioner of
124 Public Safety has delegated powers under section 29-291;

125 [(11)] (12) "Journeyman sprinkler fitter" means a specialized pipe
126 fitter craftsman, experienced and skilled in the installation, alteration,
127 maintenance and repair of fire protection sprinkler systems;

128 [(12)] (13) "Irrigation work" means making the connections to back
129 flow prevention devices, and low voltage wiring, not exceeding
130 twenty-four volts, used within a lawn sprinkler system;

131 [(13)] (14) "Sheet metal work" means the installation, erection,
132 replacement, repair or alteration of duct work systems, both ferrous
133 and nonferrous;

134 [(14)] (15) "Journeyman sheet metal worker" means an experienced
135 craftsman skilled in the installation, erection, replacement, repair or
136 alteration of duct work systems, both ferrous and nonferrous;

137 [(15)] (16) "Automotive glass work" means installing, maintaining or
138 repairing fixed glass in motor vehicles;

139 [(16)] (17) "Flat glass work" means installing, maintaining or
140 repairing glass in residential or commercial structures; and

141 [(17)] (18) "Medical gas and vacuum systems work" means the work
142 and practice, materials, instrumentation and fixtures used in the
143 construction, installation, alteration, extension, removal, repair,
144 maintenance or renovation of gas and vacuum systems and equipment
145 used solely to transport gases for medical purposes and to remove
146 liquids, air-gases or solids from such systems.

147 Sec. 4. Subsection (e) of section 20-331 of the general statutes is
148 repealed and the following is substituted in lieu thereof (*Effective*
149 *October 1, 2005*):

150 (e) The Elevator Installation, Repair and Maintenance Board shall
151 consist of eight members who shall be residents of this state, [three]
152 one of whom shall be an unlimited [contractors, two] contractor, one of
153 whom shall be an elevator [craftsmen] craftsman and one of whom
154 shall be a limited elevator contractor, licensed for such occupation
155 under this chapter, one of whom shall be an architect licensed under
156 chapter 390, one of whom shall represent a labor organization, one of
157 whom shall be an owner of a commercial building, one of whom shall
158 be mobility impaired and [three] one of whom shall be a public
159 [members, provided at least one of the unlimited contractors shall be a
160 member of either the National Association of Elevator Contractors or
161 the National Elevator Industries, Incorporated] member.

162 Sec. 5. Subdivision (3) of subsection (a) of section 20-334a of the
163 general statutes is repealed and the following is substituted in lieu
164 thereof (*Effective October 1, 2005*):

165 (3) (A) An elevator craftsman's license may be issued to any person
166 who has completed an apprenticeship program, has at least [two] three
167 years' experience in elevator installation, repair and maintenance work
168 and has demonstrated such person's competency to perform such
169 work. (B) A limited elevator contractor's license may be issued to any

170 person who has completed an apprenticeship program, has at least
171 two years' experience in elevator installation, repair and maintenance
172 work relative to platform lifts and stairway chairlifts within any
173 building or structure and has demonstrated such person's competency
174 to perform such work. (C) An elevator inspector's license may be
175 issued to any person who has completed an apprenticeship program,
176 has at least one year experience in elevator inspection work and has
177 demonstrated such person's competency to perform such work. (D)
178 An elevator helper's license may be issued for the performance of
179 elevator maintenance work under the supervision of an elevator
180 craftsman.

181 Sec. 6. Section 20-334d of the general statutes is repealed and the
182 following is substituted in lieu thereof (*Effective October 1, 2005*):`

183 (a) As used in this section:

184 (1) "Accredited continuing professional education" means any
185 education of an electrician, [or] plumber or elevator craftsman that is
186 designed to maintain professional competence in the pursuit, practice
187 and standards of electrical work, [or] plumbing and piping work or
188 elevator installation, repair and maintenance work and that is
189 approved by the commissioner and is provided by an organization,
190 institution or agency that is approved by the commissioner;

191 (2) "Certificate of continuing education" means a document issued
192 to an electrician, [or] plumber or elevator craftsman by an
193 organization, institution or agency approved by the commissioner that
194 offers accredited continuing professional education, which (A) certifies
195 that an electrician, [or] plumber or elevator craftsman has satisfactorily
196 completed a specified number of continuing education hours, and (B)
197 bears the name of such organization, institution or agency, the title of
198 the program, the dates during which the program was conducted, the
199 number of continuing education hours satisfactorily completed and the
200 signature of the director of such organization, institution or agency or
201 the signature of the director's authorized agent;

202 (3) "Commissioner" means the Commissioner of Consumer
203 Protection.

204 (b) The commissioner, with the advice and assistance of the
205 Electrical Work Board established pursuant to subsection (b) of section
206 20-331, shall adopt regulations, in accordance with chapter 54, to (1)
207 establish requirements for accredited continuing professional
208 education for electricians licensed pursuant to sections 20-330 to 20-
209 341, inclusive; (2) establish qualifying criteria for accredited continuing
210 professional education programs and establish qualifying criteria for
211 acceptable certificates of continuing education; and (3) provide for the
212 waiver of required accredited continuing professional education for
213 electricians for good cause.

214 (c) The commissioner, with the advice and assistance of the
215 Plumbing and Piping Work Board established pursuant to subsection
216 (d) of section 20-331, shall adopt regulations, in accordance with
217 chapter 54, to (1) establish requirements for accredited continuing
218 professional education for plumbers licensed pursuant to sections 20-
219 330 to 20-341, inclusive; (2) establish qualifying criteria for accredited
220 continuing professional education programs and establish qualifying
221 criteria for acceptable certificates of continuing education; and (3)
222 provide for the waiver of required accredited continuing professional
223 education for plumbers for good cause.

224 (d) The commissioner, with the advice and assistance of the Elevator
225 Installation, Repair and Maintenance Board established pursuant to
226 subsection (e) of section 20-331, as amended by this act, shall adopt
227 regulations, in accordance with chapter 54, to (1) establish
228 requirements for accredited continuing professional education for
229 elevator craftsmen licensed pursuant to sections 20-330 to 20-341,
230 inclusive, as amended by this act; (2) establish qualifying criteria for
231 accredited continuing professional education programs and establish
232 qualifying criteria for acceptable certificates of continuing education;
233 and (3) provide for the waiver of required accredited continuing

234 professional education for elevator craftsmen for good cause.

This act shall take effect as follows and shall amend the following sections:

Section 1	<i>October 1, 2005</i>	29-192(a)
Sec. 2	<i>October 1, 2005</i>	29-195
Sec. 3	<i>October 1, 2005</i>	20-330
Sec. 4	<i>October 1, 2005</i>	20-331(e)
Sec. 5	<i>October 1, 2005</i>	20-334a(a)(3)
Sec. 6	<i>October 1, 2005</i>	20-334d

Statement of Purpose:

To preserve and enhance the safety of elevators, escalators and lifts in Connecticut.

[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]